

## Table ENG-4. - Building Site Development

Nicholas County, West Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BuB: Buchanan	100	Somewhat limited Depth to thick cemented pan Frost action Depth to saturated zone	0.68 0.50 0.03	Very limited Depth to thick cemented pan Cutbanks cave Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Depth to cemented pan Droughty Depth to saturated zone	0.68 0.12 0.03
BuC: Buchanan	100	Somewhat limited Depth to thick cemented pan Slope Frost action	0.68 0.63 0.50	Very limited Depth to thick cemented pan Cutbanks cave Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Depth to cemented pan Slope Droughty	0.68 0.63 0.12
BuD: Buchanan	100	Very limited Slope Depth to thick cemented pan Frost action	1.00 0.68 0.50	Very limited Depth to thick cemented pan Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Depth to cemented pan Droughty	1.00 0.68 0.12
BvC: Buchanan	100	Somewhat limited Depth to thick cemented pan Slope Frost action	0.68 0.63 0.50	Very limited Depth to thick cemented pan Cutbanks cave Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Depth to cemented pan Slope Gravel content	0.68 0.63 0.33
BvE: Buchanan	100	Very limited Slope Depth to thick cemented pan Frost action	1.00 0.68 0.50	Very limited Depth to thick cemented pan Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Depth to cemented pan Gravel content	1.00 0.68 0.46
CeF: Cedarcreek	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
ChB: Chavies	100	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
CoB:							

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CoB: Cotaco	95	Somewhat limited Depth to saturated zone	0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
Purdy	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Cr: Craigsville	100	Somewhat limited Content of large stones Frost action Flooding	0.79 0.50 0.40	Very limited Cutbanks cave Content of large stones	1.00 0.79	Somewhat limited Content of large stones Droughty	0.20 0.02
DeC: Dekalb	100	Somewhat limited Slope Depth to hard	0.63 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Droughty Content of large stones Slope	0.98 0.84 0.63
DeE: Dekalb	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.98 0.84
DeF: Dekalb	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.98 0.84
DRF: Dekalb	40	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.98 0.84
Buchanan	30	Very limited Slope Depth to thick cemented pan Frost action	1.00 0.68 0.50	Very limited Depth to thick cemented pan Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Depth to cemented pan Droughty	1.00 0.68 0.12

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
DRF: Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
Ed: Elkins	100	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Depth to saturated zone Flooding	1.00 0.60
Ep: Elkins	100	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
FeB: Fenwick	100	Very limited Frost action Depth to hard Depth to saturated zone	1.00 0.46 0.19	Very limited Depth to hard Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Somewhat limited Depth to bedrock Depth to saturated zone Droughty	0.46 0.19 0.01
FeC: Fenwick	100	Very limited Frost action Slope Depth to hard	1.00 0.63 0.46	Very limited Depth to hard Depth to saturated zone Slope	1.00 1.00 0.63	Somewhat limited Slope Depth to bedrock Depth to saturated zone	0.63 0.46 0.19
FvB: Fiveblock	100	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones Gravel content Droughty	0.84 0.19 0.09
FvF: Fiveblock	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.19
GIB:							

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GIB: Gilpin	100	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft Cutbanks cave	0.46 0.10	Somewhat limited Depth to bedrock	0.46
GIC: Gilpin	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock	0.63 0.46
GID: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
GIE: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
GIF: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
GnC: Gilpin	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Content of large stones Slope Depth to bedrock	0.92 0.63 0.46
GnE: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46
GnF: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46
GoF:							

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GoF: Gilpin	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46
Buchanan	25	Very limited Slope Depth to thick cemented pan Frost action	1.00 0.68 0.50	Very limited Depth to thick cemented pan Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Depth to cemented pan Gravel content	1.00 0.68 0.46
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GPF: Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46
Pineville	30	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.07 0.05
Guyandotte	15	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.98 0.20
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GuD: Gilpin	70	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GuD: Upshur	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
GuE: Gilpin	70	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft	0.46	Depth to bedrock	0.46
				Cutbanks cave	0.10		
Other Soils	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Upshur	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
ItF: Itmann	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.05
						Gravel content	0.04
KaB: Kaymine	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.84
						Gravel content	0.70
KaF: Kaymine	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.84
						Gravel content	0.70
LIB: Lily	100	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard	0.46	Depth to hard	1.00	Depth to bedrock	0.46
LIC: Lily	100			Cutbanks cave	0.10		
		Somewhat limited		Very limited		Somewhat limited	
		Depth to hard	0.46	Depth to hard	1.00	Depth to bedrock	0.46
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
LID:				Slope	0.04		

**Table ENG-4. - Building Site Development - Continued**

Nicholas County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LID: Lily	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
LIE: Lily	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
MoB: Monongahela	100	Somewhat limited Frost action Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
Pc: Pope	50	Very limited Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
Craigsville	35	Very limited Flooding Content of large stones Frost action	1.00 0.79 0.50	Very limited Cutbanks cave Flooding Content of large stones	1.00 0.80 0.79	Very limited Flooding Content of large stones Droughty	1.00 0.20 0.02
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Elkins	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Pu: Purdy	100	Very limited Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Very limited Depth to saturated zone	1.00
Ud: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
W: Water	100	Not Rated		Not Rated		Not Rated	